



#8 1641  
09-29-01  
464.1006 CON5

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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Applicants: SEUL, Michael

Serial No.: 09/688,573

Filed: October 17, 2000

For: **LIGHT-CONTROLLED ELECTROKINETIC ASSEMBLY OF  
PARTICLES NEAR SURFACES**

Examiner: P. Do (Group Art Unit 1641)

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the provisions of 37 C.F.R. §1.97, Applicant hereby makes of record the documents listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified application. These documents were previously cited by or submitted to the Patent Office in the parent application, U.S. Serial No. 09/171,550, of which the present application is a continuation. As such, further to 37 C.F.R. §1.98 (d), copies of those documents are not submitted.

This Information Disclosure Statement is being submitted in compliance with 37 C.F.R. §1.56 insofar as an Examiner might consider any of the cited documents important in deciding

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelop addressed to Assistant Commissioner for Patents, Washington, D.C. 20231.

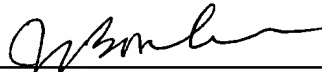
By Julie Bowker Date: September 20, 2001  
Julie Bowker

whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an admission that such document is necessarily relevant or prior art.

Applicant respectfully requests that each document cited in the Form PTO-1449 be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449.

No fee is believed to be due in connection with this submission. If any fee is due, however, the Commissioner is authorized to charge payment of the same to our Deposit Account No. 50-1570.

Respectfully submitted,



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Attorney for Applicants

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FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
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ATTY. DOCKET NO.: 464.1006 CON5

SERIAL NO.:

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## LIST OF PRIOR ART CITED BY APPLICANT

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APPLICANT(S): SEUL, Michael

FILING DATE: October 17, 2000

GROUP: 1641

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|----|-----------------|---|---|---|---|---|---|----------|-----------------|-------|----------|-------------------------------|
|                      | AA | 3               | 9 | 9 | 8 | 5 | 2 | 5 | 12/21/76 | Giglia          | 350   | 160      | 08/21/75                      |
|                      | AB | 4               | 0 | 7 | 5 | 0 | 1 | 3 | 02/21/78 | Ward et al.     | 96    | 1.5      | 09/13/76                      |
|                      | AC | 4               | 4 | 5 | 6 | 5 | 1 | 3 | 06/26/84 | Kawai et al.    | 204   | 180      | 08/25/82                      |
|                      | AD | 4               | 5 | 7 | 5 | 4 | 0 | 7 | 03/11/86 | Diller          | 204   | 67       | 10/24/84                      |
|                      | AE | 4               | 5 | 9 | 1 | 5 | 5 | 0 | 05/27/86 | Hafeman et al.  | 435   | 4        | 04/05/84                      |
|                      | AF | 5               | 4 | 4 | 4 | 3 | 3 | 0 | 08/22/95 | Leventis et al. | 313   | 506      | 02/18/93                      |
|                      | AG | 5               | 5 | 8 | 7 | 1 | 2 | 8 | 12/24/96 | Wilding et al.  | 422   | 50       | 11/14/94                      |
|                      | AH | 5               | 4 | 9 | 8 | 3 | 9 | 2 | 03/12/96 | Wilding et al.  | 422   | 68.1     | 09/19/94                      |
|                      | AI | 5               | 8 | 5 | 5 | 7 | 5 | 3 | 01/05/99 | Trau et al.     | 204   | 484      | 11/26/96                      |
|                      | AJ | 6               | 0 | 3 | 3 | 5 | 4 | 7 | 03/07/00 | Trau et al.     | 204   | 622      | 01/04/99                      |
|                      | AK |                 |   |   |   |   |   |   |          |                 |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|---|---|---|---|---|---|----------|---------|-------|----------|-------------|----|
|  |    |                 |   |   |   |   |   |   |          |         |       |          | YES         | NO |
|  | AL | 9               | 6 | 0 | 4 | 5 | 4 | 7 | 02/15/96 | PCT     | G01N  | 27/00    |             | X  |
|  | AM |                 |   |   |   |   |   |   |          |         |       |          |             |    |
|  | AN |                 |   |   |   |   |   |   |          |         |       |          |             |    |
|  | AO |                 |   |   |   |   |   |   |          |         |       |          |             |    |
|  | AP |                 |   |   |   |   |   |   |          |         |       |          |             |    |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |
|----|--|
| AR | Yeh, et al., "Assembly of ordered colloidal aggregates by electric-field-induced fluid flow," <i>Nature</i> , vol. 386.6: 57-59 (1997)                           |
| AS | Giersig et al., "Formation of ordered two-dimensional gold colloid lattices by electrophoretic deposition," <i>J. Phys. Chem.</i> , vol. 97: 6334-6336           |
| AT | Seul et al., "Scale transformation of magnetic bubble arrays: coupling of topological disorder and polydispersity," <i>Science</i> , vol. 262 : 558 - 560 (1993) |

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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|----------------------|----|-----------------|------|------|-------|----------|-------------------------------|
|                      | BA |                 |      |      |       |          |                               |
|                      | BB |                 |      |      |       |          |                               |
|                      | BC |                 |      |      |       |          |                               |
|                      | BD |                 |      |      |       |          |                               |
|                      | BE |                 |      |      |       |          |                               |
|                      | BF |                 |      |      |       |          |                               |

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|  |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|------|---------|-------|----------|-------------|----|
|  |    |                 |      |         |       |          | YES         | NO |
|  | BG |                 |      |         |       |          |             |    |
|  | BH |                 |      |         |       |          |             |    |
|  | BI |                 |      |         |       |          |             |    |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |   |
|--|----|---|
|  | BJ | Trau et al., "Field-Induced Layering of Colloidal Crystals," <i>Science</i> , vol. 272 : 706-709 (1996)   |
|  | BK | Seul et al., "Domain Shapes and Patterns: The Phenomenology of modulated Phases," <i>Science</i> , vol. 267 : 476-483 (1995)  |
|  | BL | Schena et al. "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray," <i>Science</i> , vol. 270 : 467-470 (1995)                                   |
|  | BM | Haab et al. "Single Molecule Fluorescence Burst Detection of DNA Fragments Separated by Capillary Electrophoresis," <i>Analytical Chemistry</i> , vol. 67 (No. 18) : 3253-3256 (1995) |
|  | BN | Richetti, et al., <i>J. Physique Lettr.</i> , vol. 45 : L-1137 to L-1143 (1984)   |
|  | BO | Sze, "MIS Diode and Charge-Coupled Device," <i>The Physics of Semiconductors</i> , Chapter 7, pp. 362-430 (2 <sup>nd</sup> Edition) (Wiley Interscience 1981)                         |
|  | BP |   |
|  | BQ |   |
|  | BR |   |

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